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APPLICATION NO. FILING DATE		ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/807,737	03/23/2004		Noriya Hayashi	080542-0165	4615
22428	7590	05/03/2006		EXAMINER	
		DNER LLP	DIXON, MERRICK L		
SUITE 500 3000 K STREET NW				ART UNIT	PAPER NUMBER
WASHING	TON, DC	20007	1774		
				DATE MAILED: 05/03/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)	
		10/807,737	HAYASHI ET AL.	
	Office Action Summary	Examiner	Art Unit	
		Merrick Dixon	1774	
Period fo	The MAILING DATE of this communication app or Reply	pears on the cover sheet w	ith the correspondence address -	•
WHIC - Exte after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATES OF STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATES OF STATES	ATE OF THIS COMMUN 36(a). In no event, however, may a will apply and will expire SIX (6) MO , cause the application to become A	ICATION. reply be timely filed  NTHS from the mailing date of this communica BANDONED (35 U.S.C. § 133).	
Status				
1)⊠	Responsive to communication(s) filed on 17 Fe	ebruary 2006.	•	
2a)⊠	This action is <b>FINAL</b> . 2b) This	action is non-final.		
3)	Since this application is in condition for allowar	nce except for formal mat	ters, prosecution as to the merits	is is
	closed in accordance with the practice under E	x parte Quayle, 1935 C.I	D. 11, 453 O.G. 213.	
Disposit	ion of Claims			
4)⊠ 5)□ 6)⊠ 7)□	Claim(s) <u>1-48</u> is/are pending in the application.  4a) Of the above claim(s) <u>7-42</u> is/are withdrawn  Claim(s) is/are allowed.  Claim(s) <u>1-6 and 43-48</u> is/are rejected.  Claim(s) is/are objected to.  Claim(s) are subject to restriction and/or	n from consideration.	·	
Applicat	ion Papers			
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine	epted or b) objected to drawing(s) be held in abeyation is required if the drawing	nce. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1.12	
Priority ι	under 35 U.S.C. § 119			
12)	Acknowledgment is made of a claim for foreign  All b) Some * c) None of:  Certified copies of the priority documents  Certified copies of the priority documents  Copies of the certified copies of the priority documents  The second state of the priority documents of the priority documents of the priority documents of the priority documents of the certified copies of the priority documents of the priority d	s have been received. s have been received in A rity documents have beer	Application No	
* 5	See the attached detailed Office action for a list	of the certified copies not	received	
Attachmen	t(s)		ERRICK DIXON MARY EXAMINER	
	e of References Cited (PTO-892)	· —	Summary (PTO-413)	
3) 🔯 Infor	r No(s)/Mail Date 40-49-65   Control of the control		(s)/Mail Date Informal Patent Application (PTO-152)	

1

Initialed copies of IDS, filed 1-6-06, is included with the instant office action, as requested.

2

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3

Claims 1-6 and 43-48 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dexheimer ( US 6706844 B2) in view of Uchida( US 5545697). The cited primary reference teaches the basic claimed invention including a prepreg comprising matrix resin including bifunctional isocynate, polyol and a chain extender of similar molar ratios – col 2, lines 15-27; col 3, lines 26-43; col 4, lines 3-12; col 4, lines 34-50; col 10, lines 26-36. The reference fails to expressly teach its resulting prepreg used for fiber reinforced plastic. The secondary reference, however, teaches that similar matrix material as the primary reference is notoriously well known for its useage in carbon fiber reinforced plastic material- col 6, lines 1-5; col 19, lines 58-64. See secondary reference which teaches the newly added carbon fiber reinforcement limitation- see reference. It would have been obvios to one of ordinary skill in the art at the time the

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invention is made to combine the teachings of the secondary reference and form such claimed articles from the primary reference's product, in the absence of unexpected results, motivated by the desire to reinforced plastic material – col 19, lines 54-57. concerning claims 2-5, the primary reference teaches the claimed molecular weights and related ratios- see above; also, see entire reference. Concerning claims 43-48, the secondary reference teaches the aspect of forming fiber reinforced plastic article as also discussed above.

4

Applicant's arguments filed 2-17-06 have been fully considered but they are not persuasive. Applicants argue that one of ordinary skill in the art would not be motivated to apply the resin of '844 to '697 for there is no disclosure in the references for the need in developing a suitable material for space use. The examiner begs to differ. The references are combined for reasons as stated in the previous office action. How the resulting product is used, would not patentable distinguish the claimed invention from the cited art.

5

This application contains claims 7-42 drawn to an invention nonelected with traverse in Paper No. 7-26-05. A complete reply to the final rejection must include cancellation of nonelected claims or other appropriate action (37 CFR 1.144) See MPEP § 821.01.

6

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

7

Applicants who wish to send a facsimile (draft copies) for the examiner's immediate review can do so by using the Examiner's personal fax number at 571-273-1520. The faxing of all papers must conform with the notice published in the Official Gazette, 1096 O.G. 30 (November 15, 1989). NOTE: All facsimiles sent to the examiner's personal fax number should be in draft-forms and will be treated as informal.

Same facsimiles will not be entered in the related applications unless otherwise agreed and noted by the examiner.

The fax number for all other fascimile is 571-273-8300.

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Information about the status of an application may be obtained from the Patent Information Retrieval system (Private PAIR).

Status inquires for **published applications** may be retrieved from either **Private PAIR** or **Public PAIR**. Questions about the PAIR system should be directed to the Electronic Business Center at **866-217-9197**.

Any questions concerning the instant communication should be directed to Examiner Dixon, at 571-272-1520, Mondays, Wednesdays and Thursdays, between 12 noon and 8 PM, eastern time.

Merrick Dixon

**Primary Examiner** 

**Group 1700**